



A Division of Terraprobe Geoscience Corp.

For construction company project managers, estimators and marketers, the Aerial division of Terraprobe was built to provide valuable site and infrastructure information to aid in managing and documenting projects and investigating potential problems.

Flight data may be presented in a variety of formats including orthomosaic mapping, 3D modeling and Live Streaming.

## Aerial Surveys for Construction

UAV inspections are now recognised as the safest, quickest and most cost effective way of obtaining comprehensive, real time information.

- **Eliminate Risk** - associated with working at height for inspecting structures and eliminates the need for scaffolding.
- **Saves Time** - surveying roofs and facades. Large areas such as solar farms, roofing on multi-building developments and can be inspected in a short time.

## Project Progress Reporting

Progress reporting is able to compare what is being constructed to that which is planned as well as provide information at the same time and day each week or month enabling consistency, allowing everyone involved in the project and the client to be updated on performance.

There are a number of benefits that the use of a drone can provide rather than using the traditional methods for progress reporting on construction projects.



## Progress Reporting Features

- **Building Information Modeling (BIM)** – comparing actual construction progress to projected models.
- **Terrain surveys** – mapping areas of land before a job for planning or assessing a site after project completion.
- **Stockpile calculations** – measuring the volume of materials in minutes without climbing on or around the pile.
- **Infrastructure inspection** – looking at bridges, electrical transmission lines, dams, and other structures for damage or anomalies
- **Change monitoring** – comparing changes in models collected over time
- **Collection of real-time data** that can be communicated instantly.

## Live Streaming

Live streaming of flights are available which allows project managers to see real-time images and direct the pilot to focus on areas of concern.

This feature increases accuracy of required data and cost effectiveness. (and it's really cool!)



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